

FIG. 4

- 8 HEAD SECTION
- 13 TRANSPORT MOTOR
- 17 FLUSHING AREA DETECTION SENSOR
- 18 PAPER DETECTION SENSOR
- 42 MEMORY
- 51 SENSOR BOARD
- 52 MOTOR DRIVER
- 53 HEAD DRIVER
- 61 TEMPERATURE AND HUMIDITY SENSOR
- 62 FEED MOTOR

FIG. 5

PRINT PROCESSING

S1 FORWARD RUN BELT
S2 FLUSHING AREA DETECTED
S3 START COUNTER
S4 INSERT PAPER
S5 FLUSHING TIMING REACHED FOR EACH INK HEAD?
S6 PERFORM SIMULTANEOUS FLUSHING
S7 COMPLETED FOR ALL INK HEADS?
S8 PAPER DETECTED?
S9 PRINT ONE IMAGE
S10 PERFORM IMAGE-TO-IMAGE FLUSHING
S11 NOZZLE DRY LIMIT REACHED?
S12 FLUSHING AREA DETECTED?
S13 START COUNTER
S14 FLUSHING TIMING REACHED FOR EACH INK HEAD?
S15 PERFORM SIMULTANEOUS FLUSHING
S16 COMPLETED FOR ALL INK HEADS?
S17 END OF PRINT?
S18 STOP BELT
S19 PAPER CUT?
S20 REWIND
END

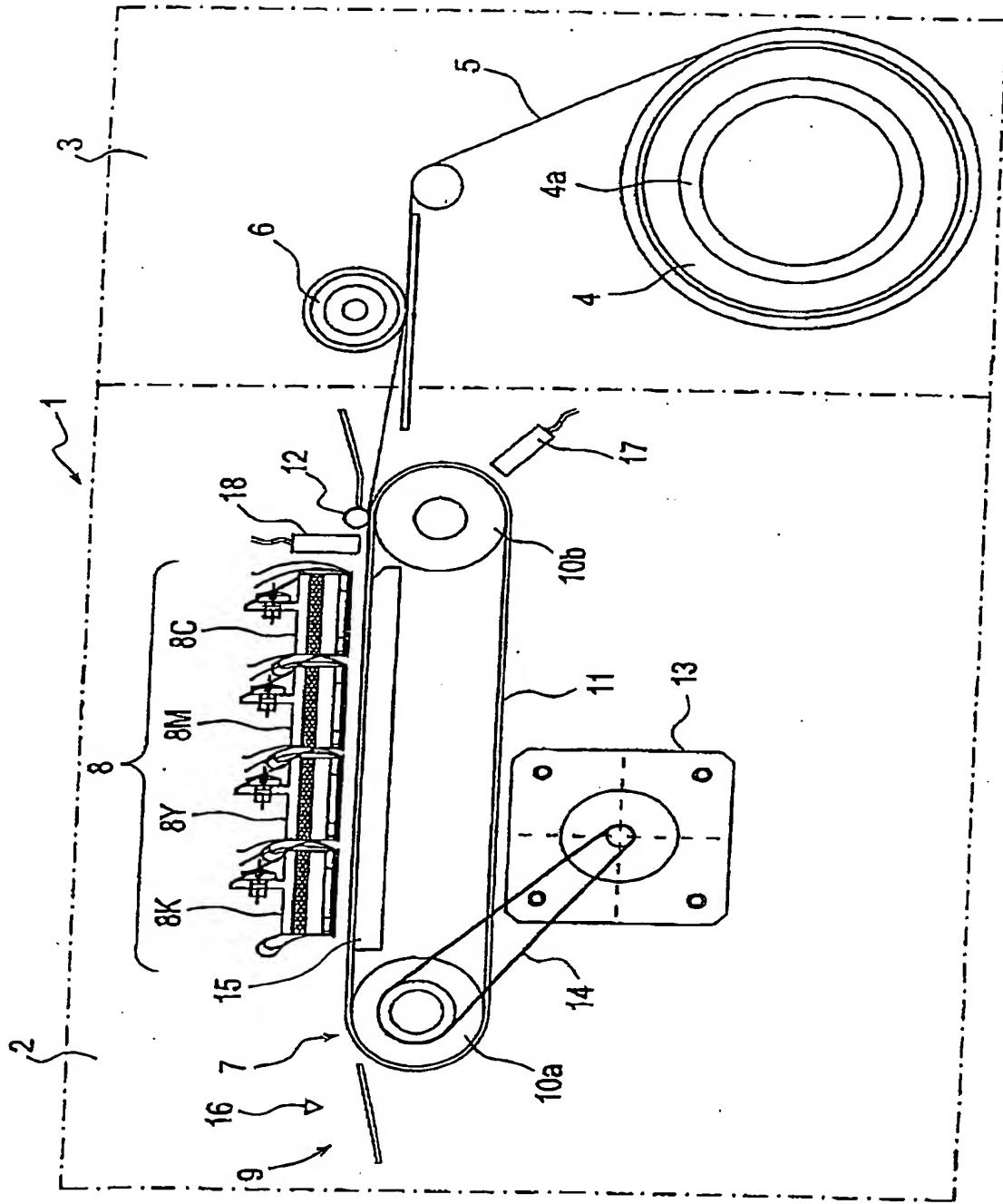
FIG. 8

PRINT PROCESSING

S31 FORWARD RUN BELT
S32 FLUSHING AREA DETECTED
S33 START COUNTER
S34 INSERT PAPER
S35 FLUSHING TIMING REACHED FOR EACH INK HEAD?
S36 PERFORM SIMULTANEOUS FLUSHING
S37 COMPLETED FOR ALL INK HEADS?
S38 PAPER DETECTED?
S39 PRINT ONE IMAGE
S40 PERFORM IMAGE-TO-IMAGE FLUSHING
S41 AS MANY IMAGES AS SPECIFIED NUMBER PRINTED?
S42 STOP BELT
S43 PAPER CUT?
S44 REWIND
S45 COMPLETELY EJECTED?
S46 FORWARD RUN BELT
S47 FLUSHING AREA DETECTED?
S48 START COUNTER
S49 FLUSHING TIMING REACHED FOR EACH INK HEAD?
S50 PERFORM SIMULTANEOUS FLUSHING
S51 COMPLETED FOR ALL INK HEADS?

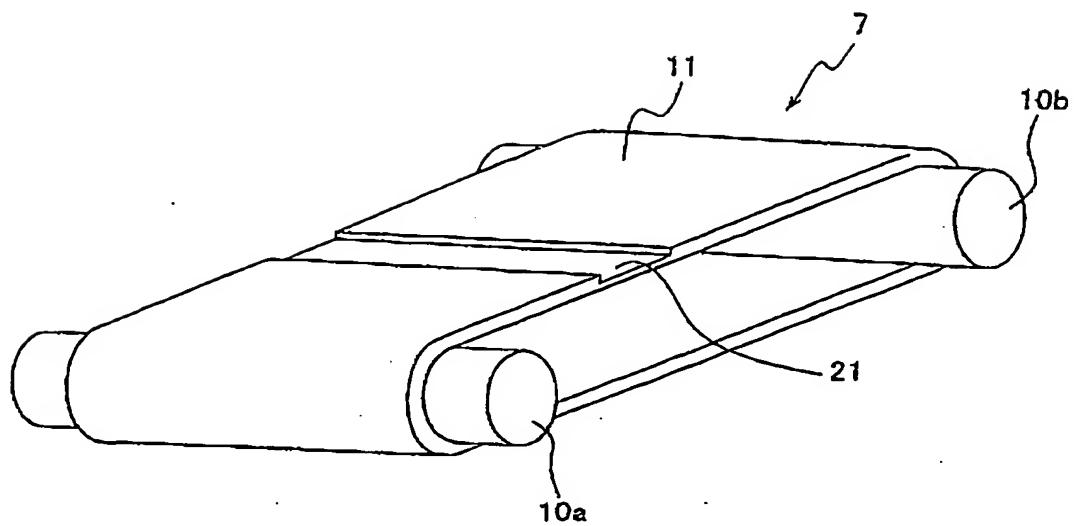
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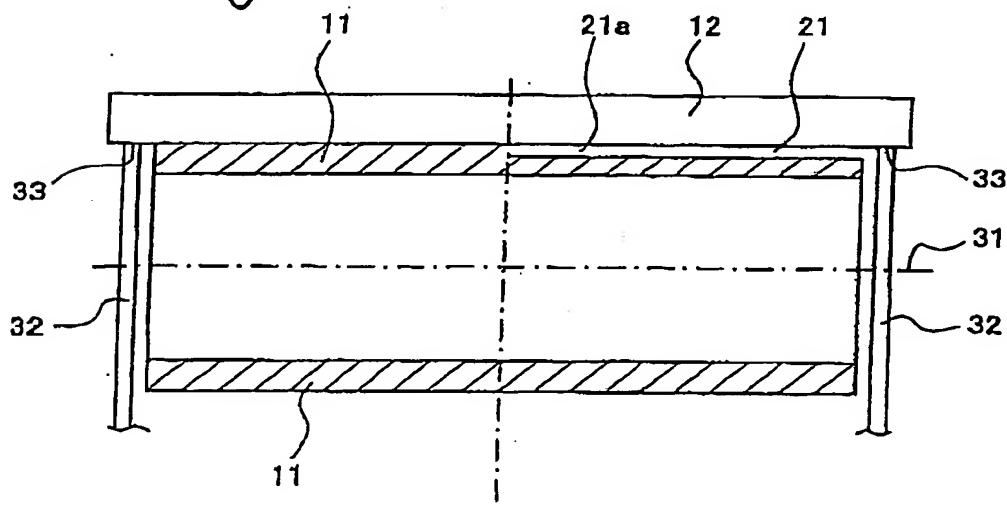


【図2】

Fig. 2

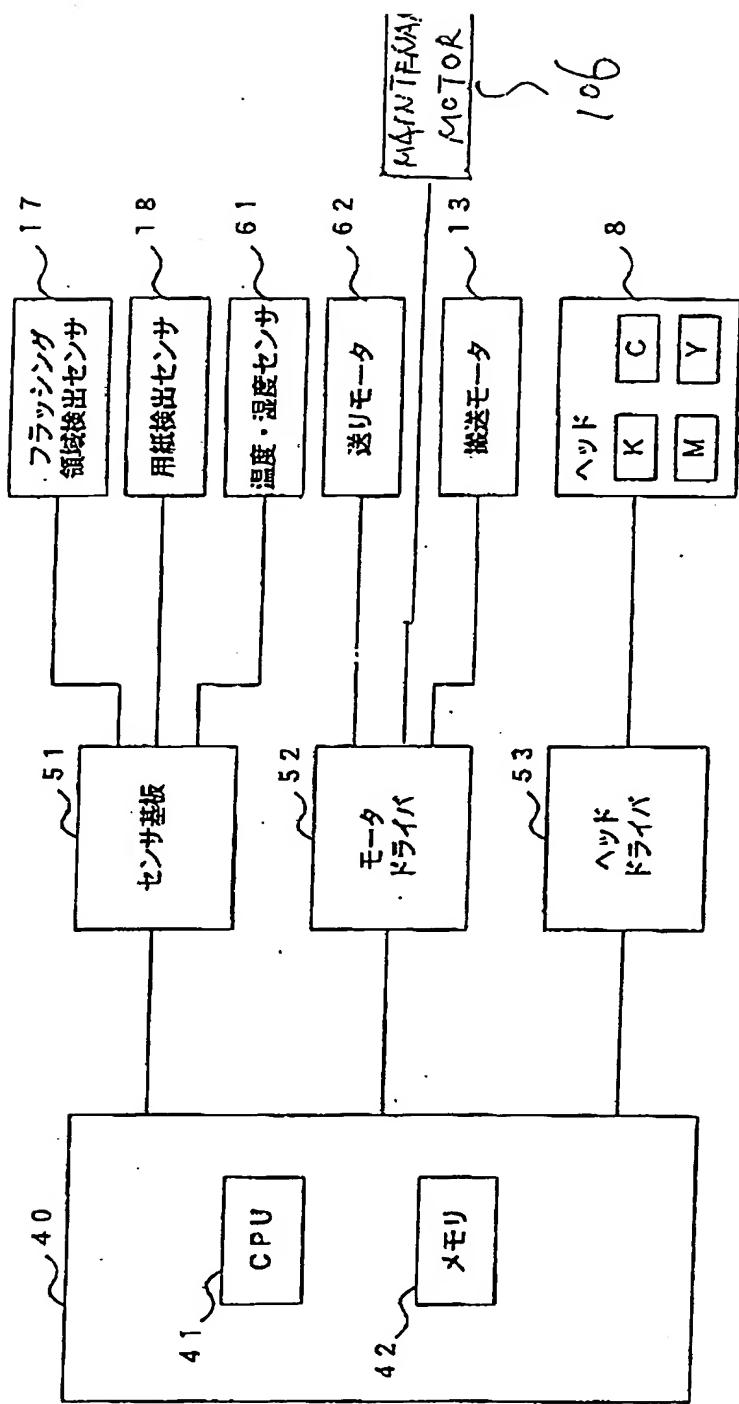


[図3] Fig. 3



[図4]

Fig. 4



【図5】

Fig. 5

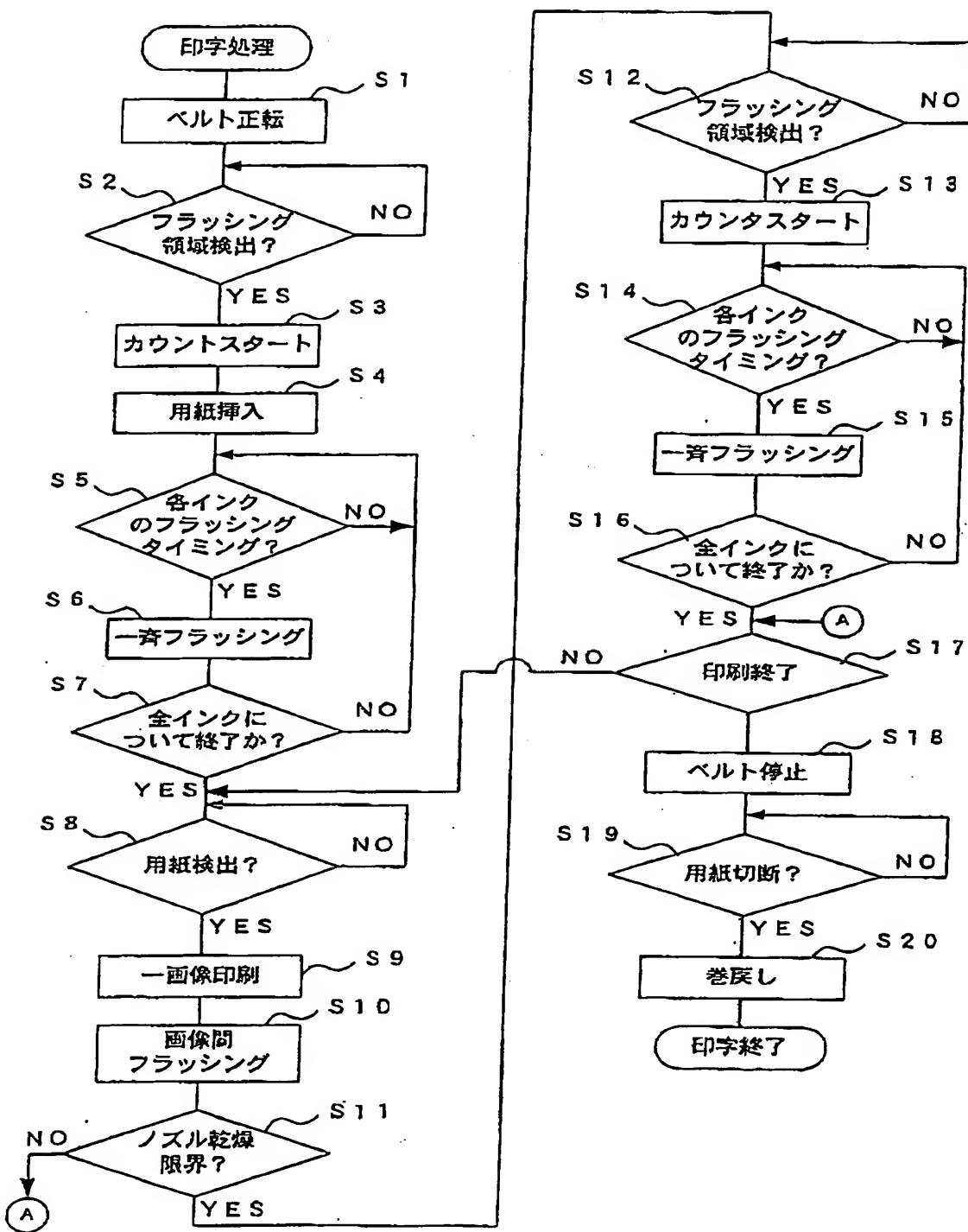
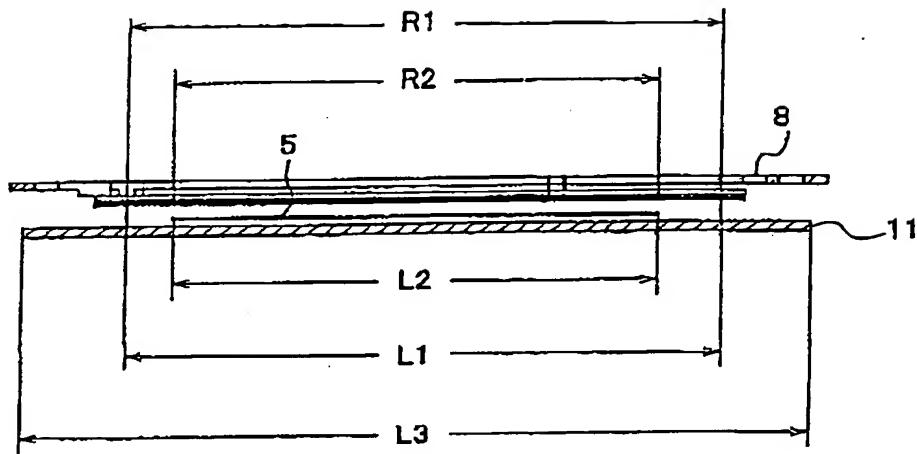


Fig. 6

【図6】



【図7】

Fig. 7A

(a)

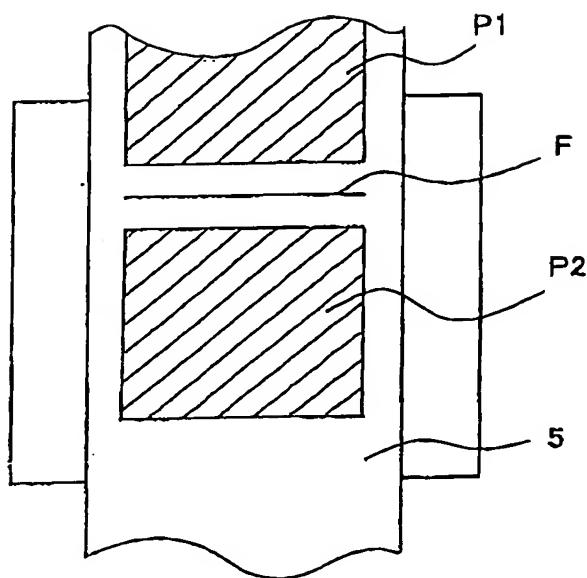
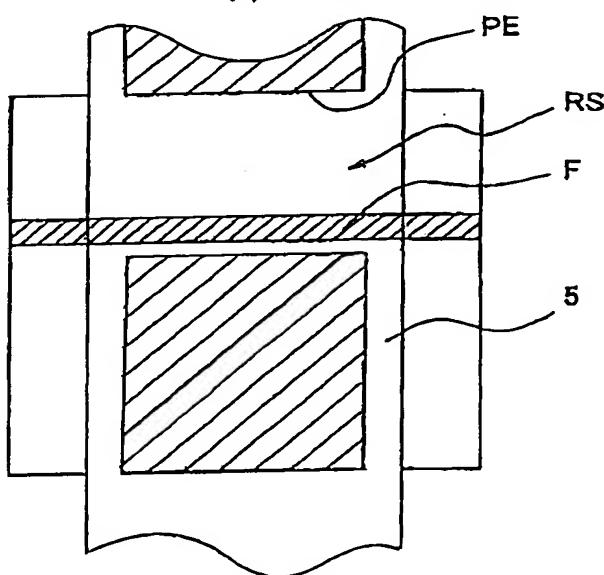


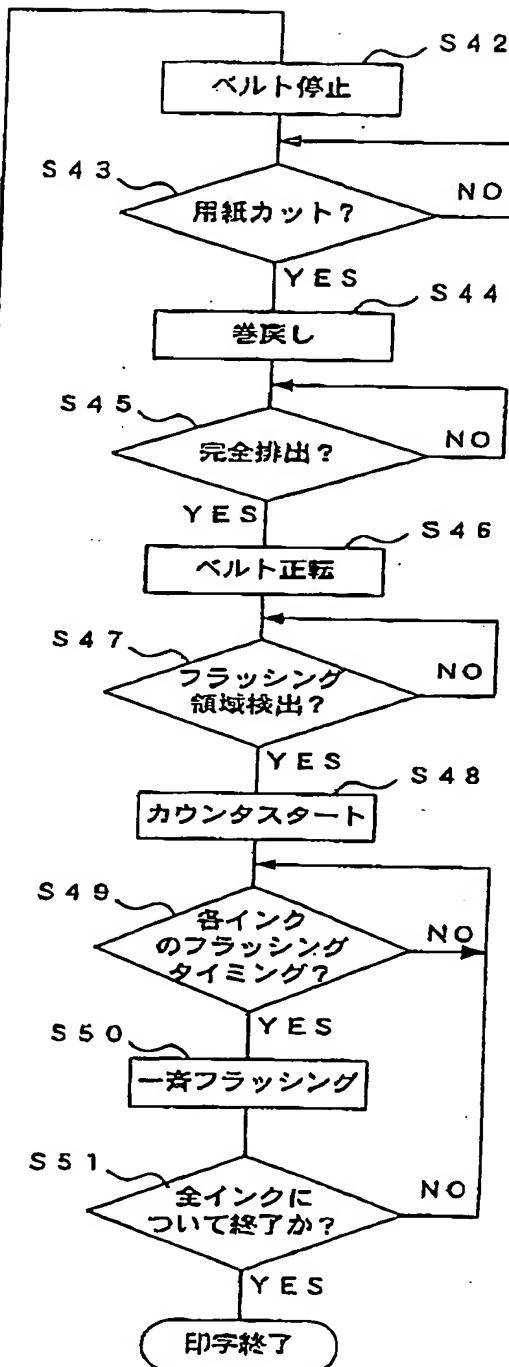
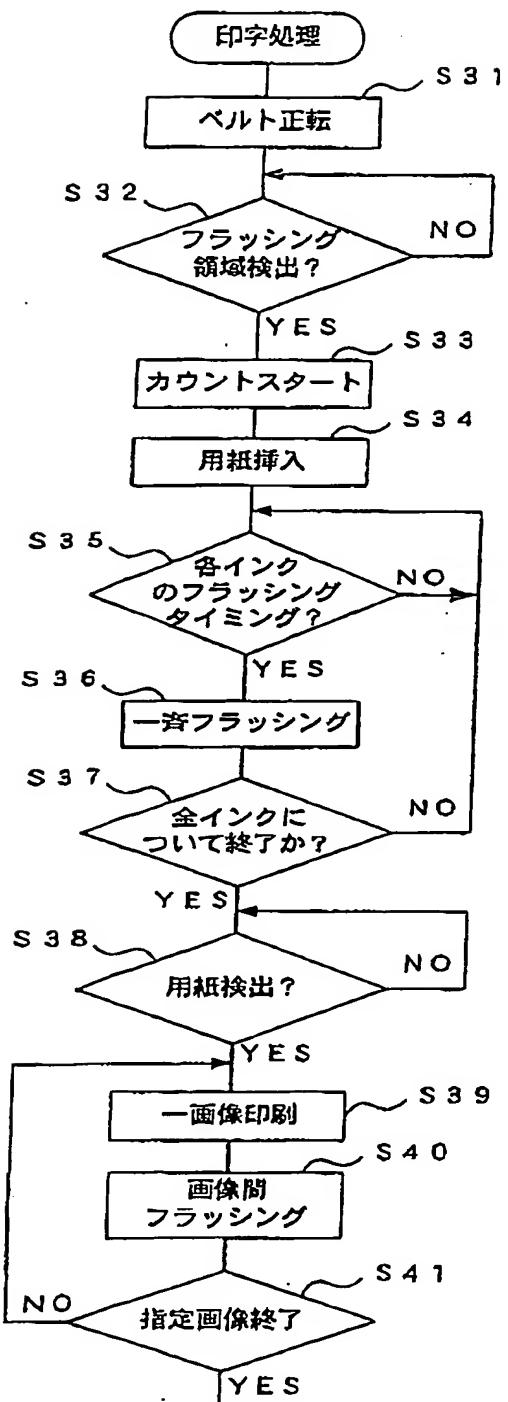
Fig. 7B

(b)



【図8】

Fig. 8



[図9]

Fig. 9

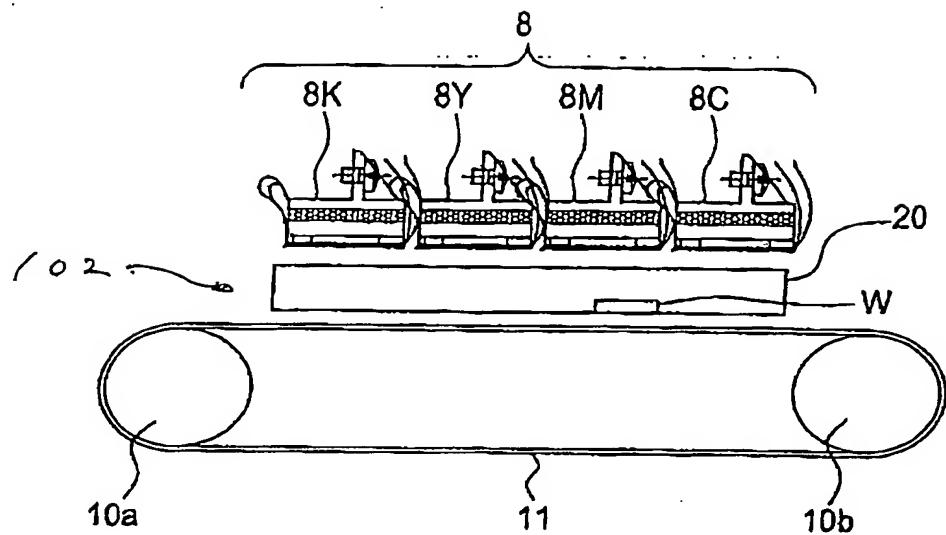


Fig. 10

